

DRX7 - TUNABLE WHITE

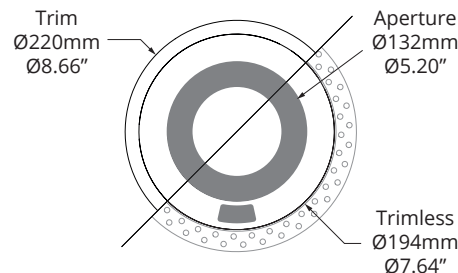
RECESSED TRIMMED & TRIMLESS



KEY FEATURES

- 360° pan with 35° tilt Motorised Movement
- Wired or Wireless control
- Position and light level scene recall
- Fully recessed and does not break the ceiling line
- Premium componentry
- Available with IC rated housing for North America

DRX7 is a recessed luminaire that masters the art of pin spotting and accent lighting while combining excellent beam quality with all the benefits of RCL technology. DRX7 is RCL's most powerful recessed product and is ideal for high-ceiling applications such as ballroom spaces, atriums, large hospitality venues, banqueting halls, and exhibition spaces. DRX7 offers a wide selection of beam options including zoom powered by Lensvector. DRX7 is also available with Static White and RGBW - visit their specsheets to learn more.



PERFORMANCE DATA

OUTPUT OPTIONS	2000LM				2800LM		
	15°	24°	30°	20°-50° Zoom ¹	17°	26°	30°
BEAM OPTIONS							
DELIVERED OUTPUT	1,761 lm	2,148 lm	2,021 lm	1,792 lm ¹	2,624 lm	2,694 lm	2,332 lm
PEAK INTENSITY	17,521 cd	9,834 cd	5,716 cd	10,426 cd ¹	23,108 cd	10,289 cd	6,809 cd
LED ARRANGEMENT	Single source				Single source		
LED WATTAGE	26 W				34 W		
EFFICACY	83 lm/W				80 lm/W		
DYNAMIC WATTAGE	35.6 W ²				45.1 W ²		
CCT OPTIONS	1800K-4000K (3000K) ³ 2700K-6500K (5500K) ³				2700K-6500K (5500K) ³		

Notes

¹ Value at narrowest zoom setting

² Dynamic Wattage is the total power draw momentarily possible when both motors are running simultaneously.

³ Tunable white when paired with Lensvector beam control has a narrower CCT tuning range of 1800-3000K or 2700-5500K

MECHANICAL & MOUNTING

LOCATION	IP20	LIFETIME	L90 50,000 hrs min
ADJUSTABILITY	360° Pan, 35° Tilt	WARRANTY	5 Years
WEIGHT	3.00kg / 6.61lb IC housing +5.7kg / 12.57lb	TM65	130.03kgCO2e
MATERIAL	Machined AL 6063-T6	TM66	2.4
POWER SUPPLY	Remote	ACCESSORIES	Separate holder - Louver Lenses
MOUNTING	Recessed		

ORDER CODE

MODEL	MOUNTING	CCT	OUTPUT	BEAM ANGLE	TYPE	CONTROL	FINISH
DRX7 DRX7	TR Trimmed	TW1 1800-4000K ⁴	20 2000LM	NA Narrow 15°	230 230V 50/60Hz UNICP 120-277V Chicago Plenum IC Housing	HAND Controller Only ¹	WH White
	TL Trimless	TW2 2700-6500K ⁴		ME Medium 24°		010V 0-10V ²	BK Black
				WD Wide 30°		DALI DALI ³	
				ZO Zoom 20-50°		DMX DMX	
						RCLC RCL Control	
		TW2 2700-6500K ⁴	28 2800LM	NA Narrow 17°			
				ME Medium 26°			
				WD Wide 30°			

Notes

¹ Handheld controller only, no additional control option enabled

² 0-10V controls light level only, handheld remote used for movement, CCT and scene control

³ DALI controls light level, groups and scenes, handheld remote used for movement

⁴ Tunable white when paired with Lensvector beam control has a narrower CCT tuning range of 1800-3000K or 2700-5500K

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DRX7 TRIMMED



White



Black

DRX7 TRIMLESS



White

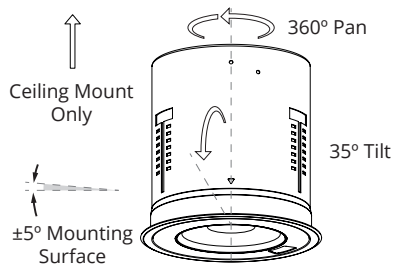


Black

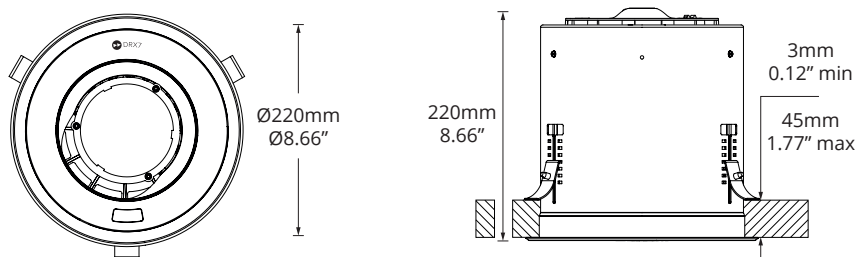
DRX7 - TUNABLE WHITE

RECESSED TRIMMED & TRIMLESS

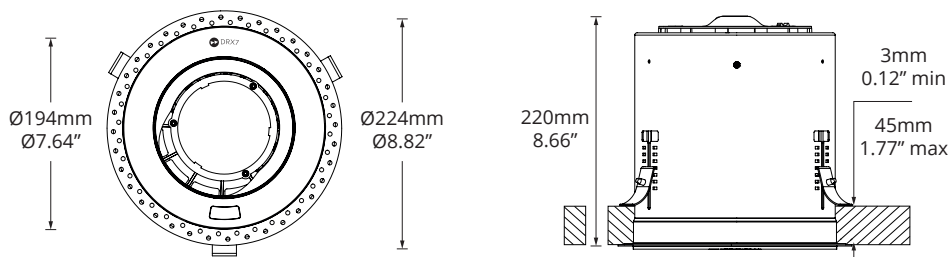
INSTALLATION CLEARANCE AND ARTICULATION



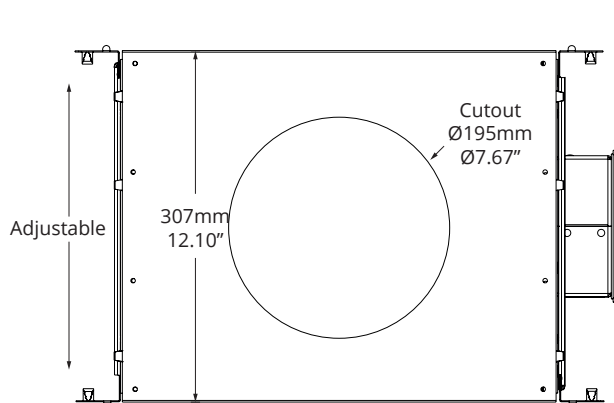
DRX7 TRIMMED



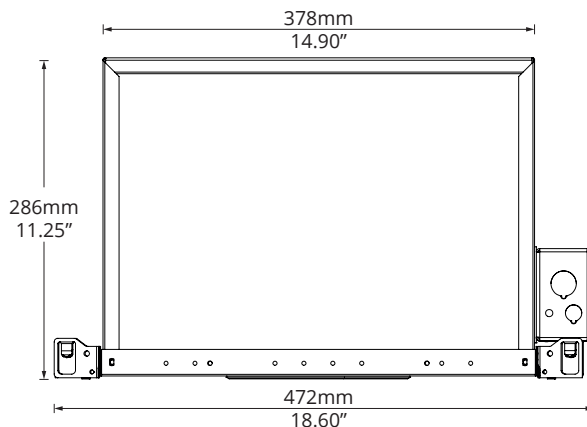
DRX7 TRIMLESS



120V / 277V IC HOUSING FOR NORTH AMERICA



Adjustable bar hanger 16" min. - 24" max.



Chicago Plenum rated by default.

DIMMING & CONTROL TABLE

	Core Control Option In all products	Additional Control Option 1 can be used in addition to the handheld remote Remote required for commissioning			
	Handheld Remote	RCL Control	DALI	DMX	0-10V
BRIGHTNESS	✓	✓	✓	✓	✓
MOVEMENT	✓	✓	1	✓	
COLOUR TEMPERATURE	✓	✓	✓	✓	
RGBW	✓	✓	1	✓2	
ZOOM	✓	✓	1	✓	
SCENES	✓	✓	1	✓	

1. Zoom, RGBW and position programmed by handheld remote, recalled by DALI scenes command. 10 scenes available, not available with all DALI systems.
2. Hue and Saturation control.

DIMMING & CONTROL DETAILS

Handheld Remote

The RCL handheld remote controller affords control of all aspects of the luminaire. Our products are available both as solely controlled by the remote or with another protocol. Regardless of if another protocol is specified on the product, it will always have the ability to be controlled by our handheld remote controller. The luminaire will always power up with its last configuration.

RCL Control

The RCL Control iPad app offers an intuitive, user-friendly interface capable of managing multiple rooms and floors. RCL control requires a mediator device that acts as the wired to wireless interface on the project, this device acts as the hub, receiving then distributing wireless commands to up to 200 luminaires. The mediator can receive DALI or DMX wired inputs to allow control of groups of luminaires and recalling scenes requested from external building management systems. RCL Control utilises a dynamic wireless mesh network for robust, scalable and low-latency performance, ensuring reliable and secure operation without internet dependence. Luminaires can be organised into zones, groups and scenes, all controlled through our award-winning reflected ceiling plan interface.

DALI

DALI offers brightness, CCT, group and scene control of our luminaires, the handheld remote is needed for movement. The first 10 scenes can be programmed by handheld controller and recalled by DALI, in this case all configured features can be set and recalled (i.e. zoom, position, etc). Not all DALI controllers use the DALI scene command, so testing is recommended.

DMX

All configured features of our luminaires are available for control by DMX, by default the fixture will have a footprint of 4, allowing for pan, tilt and dim control. The handheld remote allows the user to select one of six possible profiles allowing for dim only, dim and movement or movement and control of all fitted light engine features with different resolutions available. Please note that RGBW is controlled with a hue and saturation channel.

When installing DMX to track mounted fixtures it is important to ensure that appropriate electrical isolation is provided between the DMX circuits on the track and any DMX connections. The DMX and electrical grounds will need to be connected, typically by a mains-powered splitter on the same circuit.

0-10V

0-10V has a single control group as all luminaires connected to the databus will dim in unison. 0-10V will only control the brightness, the handheld remote is needed for movement, CCT and zoom if available.

Phase

Phase dimming is not available on RCL products.

Control method not listed here? We have a wealth of experience integrating with 3rd party control systems so get in touch.

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RECESSED TRIMMED & TRIMLESS

2000LM LIGHT ENGINE - OUTPUT SCALING

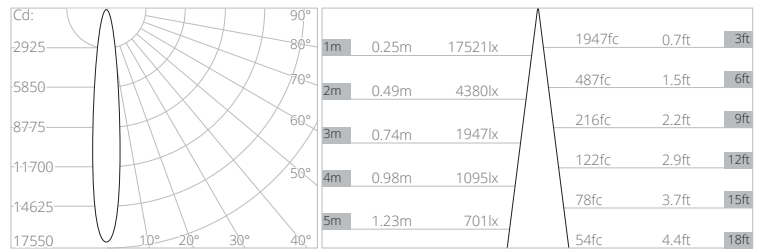
CCT	Multiplier	CRI	R9	Rf	Rg	Max Delivered lm
1800K	0.70	92	68	90	99	1503lm
2400K	0.90	92	80	90	99	1933lm
3000K	1.00	92	75	90	99	2148lm
4000K	1.06	91	70	89	99	2276lm
6500K	1.20	91	65	89	98	2577lm

All diagrams and data measured at 3000K

2000LM LIGHT ENGINE - PHOTOMETRY

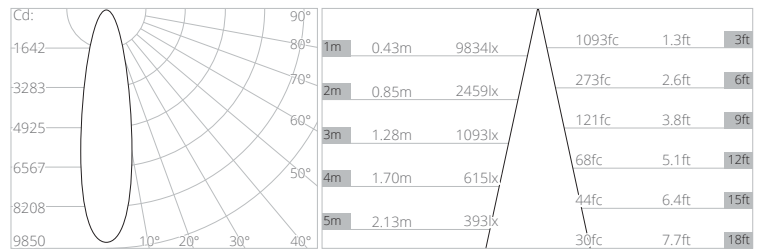
15° BEAM

BEAM ANGLE 15°
 DELIVERED LM 1761lm
 PEAK INTENSITY 17521cd



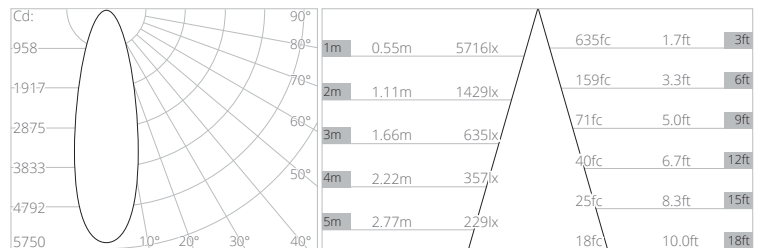
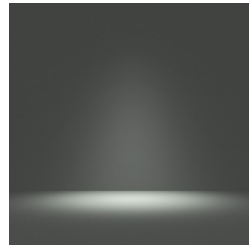
24° BEAM

BEAM ANGLE 24°
 DELIVERED LM 2148lm
 PEAK INTENSITY 9834cd



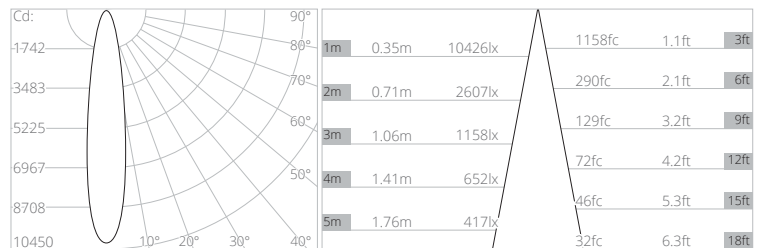
30° BEAM

BEAM ANGLE 30°
 DELIVERED LM 2021lm
 PEAK INTENSITY 5716cd



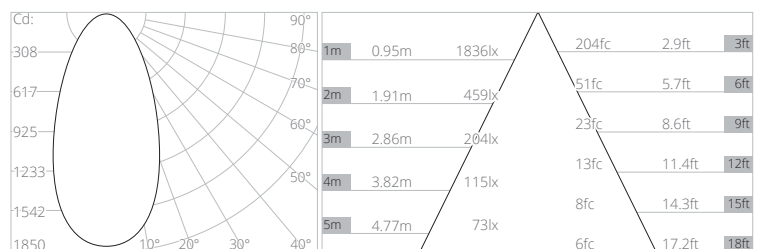
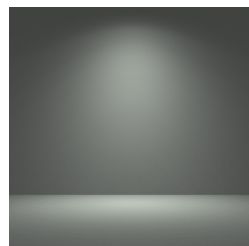
ZOOM 20° NARROWEST BEAM

BEAM ANGLE 20°
 DELIVERED LM 1792lm
 PEAK INTENSITY 10426cd



ZOOM 50° WIDEST BEAM

BEAM ANGLE 50°
 DELIVERED LM 1556lm
 PEAK INTENSITY 1836cd



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2800LM LIGHT ENGINE - OUTPUT SCALING

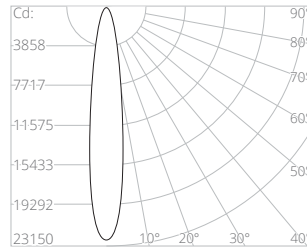
CCT	Multiplier	CRI	R9	Rf	Rg	Max Delivered lm
1800K	-	-	-	-	-	-
2400K	-	-	-	-	-	-
3000K	1.00	92	75	90	99	2694lm
4000K	1.06	91	70	89	99	2855lm
6500K	1.20	91	65	89	98	3232lm

All diagrams and data measured at 3000K

2800LM LIGHT ENGINE - PHOTOMETRY

17° BEAM

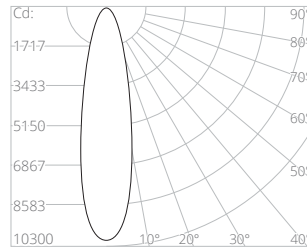
BEAM ANGLE 17°
 DELIVERED LM 2624lm
 PEAK INTENSITY 23108cd



Distance	Beam Diameter	Footcandle	Feet
1m	0.28m	23108lx	0.8ft
2m	0.56m	5777lx	1.7ft
3m	0.84m	2568lx	2.5ft
4m	1.12m	1444lx	3.4ft
5m	1.41m	924lx	4.2ft

26° BEAM

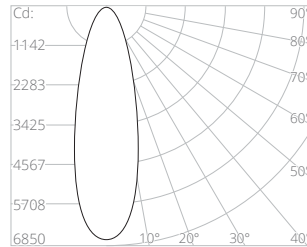
BEAM ANGLE 26°
 DELIVERED LM 2694lm
 PEAK INTENSITY 10289cd



Distance	Beam Diameter	Footcandle	Feet
1m	0.46m	10289lx	1.4ft
2m	0.92m	2572lx	2.8ft
3m	1.39m	1143lx	4.2ft
4m	1.85m	643lx	5.5ft
5m	2.31m	412lx	6.9ft

30° BEAM

BEAM ANGLE 30°
 DELIVERED LM 2332lm
 PEAK INTENSITY 6809cd



Distance	Beam Diameter	Footcandle	Feet
1m	0.54m	6809lx	1.6ft
2m	1.07m	1702lx	3.2ft
3m	1.61m	757lx	4.8ft
4m	2.14m	426lx	6.4ft
5m	2.68m	272lx	8.0ft

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ACCESSORIES

Accessories for 2000lm & 2800lm all beam options

A separate accessory holder is required that is field swappable for the honeycomb louver. The softening microlens options are factory fitted without an additional holder.

ACCESSORIES ORDER CODE

	2000lm	2800lm	Use
ORDER CODES			
ACCESSORY HOLDER	19094	19094	Accommodates 1 louver plus 1 lens
HONEYCOMB LOUVER	10079	10079	Reduces field beam and glare
NARROW MICROLENS	19095	19095	Light beam softening
MEDIUM MICROLENS	19096	19096	Medium beam softening
WIDE MICROLENS	19097	19097	Heavy beam softening

FEATURE MAP

